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## PATENT ABSTRACTS OF JAPAN

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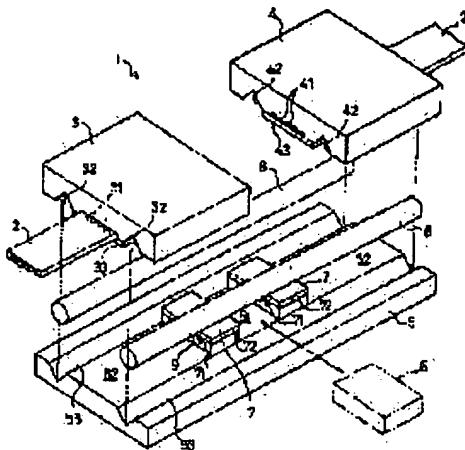
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(54) OPTICAL FUNCTIONAL ELEMENT COUPLING MEMBER AND  
MANUFACTURE THEREOF

(57) Abstract:

**PURPOSE:** To obtain a coupling member



which enables high-precision positioning and its manufacturing method in the optical coupling between an optical fiber and an optical functional element.

**CONSTITUTION:** This optical functional element coupling member is equipped with a 1st connector element 3, a 2nd connector element 4, a base substrate 5 which has a mounting space 51 for the optical function element 6 at an intermediate part in a coupling direction and fitting spaces 52 for both the connector elements at both end parts and

a guide pin 8 which is interposed between the base substrate and both the connector elements and enables the positioning of the optical axes of both optical fiber end surfaces; and the connector element 3 has a fiber fixing groove 31 and a guiding groove 32 with which the guide pin couples, the connector element 4 has a fiber fixation groove 41 and a guide groove 41, and the base substrate has a guiding groove 53 with which its connector guiding pin is engaged.

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